

Claims

1. A headlight for vehicles that emits light in the near-infrared range and that
5 has both a light source, which projects not only in the infrared range but also in the
visible range, and an infrared range-transmissive filter, characterized in that a
transition range of the filter (6) extends from the infrared range into the red
spectral range of the visible range, and further spectral components in the visible
range are emitted in attenuated form.

10 2. The headlight according to claim 1, characterized in that the further spectral
components and the red component admitted by the filter (6) produce a color
impression which is not red.

15 3. The headlight according to one of claims 1 or 2, characterized in that the
filter is transmissive for the further spectral components.

4. The headlight according to claim 3, characterized in that the further spectral
components and the red component include the visible range.

20 5. The headlight according to claim 4, characterized in that the transmission of
the filter (6) is greater in the short-wave range of the further spectral components
than in their long-wave range.

25 6. The headlight according to one of the foregoing claims, characterized in that
the filter (6) is located in front of the headlight (1 through 4).

7. The headlight according to one of claims 1 through 5, characterized in that
the filter (6') is disposed on a diaphragm (7) located between the light source (1)

and the lens (4).

8. The headlight according to one of claims 1 through 6, characterized in that a diaphragm is disposed between the light source (1) and the lens (4).

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9. The headlight according to claim 8, characterized in that the filter (6') is disposed on the diaphragm (7).

10 10. The headlight according to one of claims 6 through 9, characterized in that the diaphragm (7) has a trapezoidal opening (8).